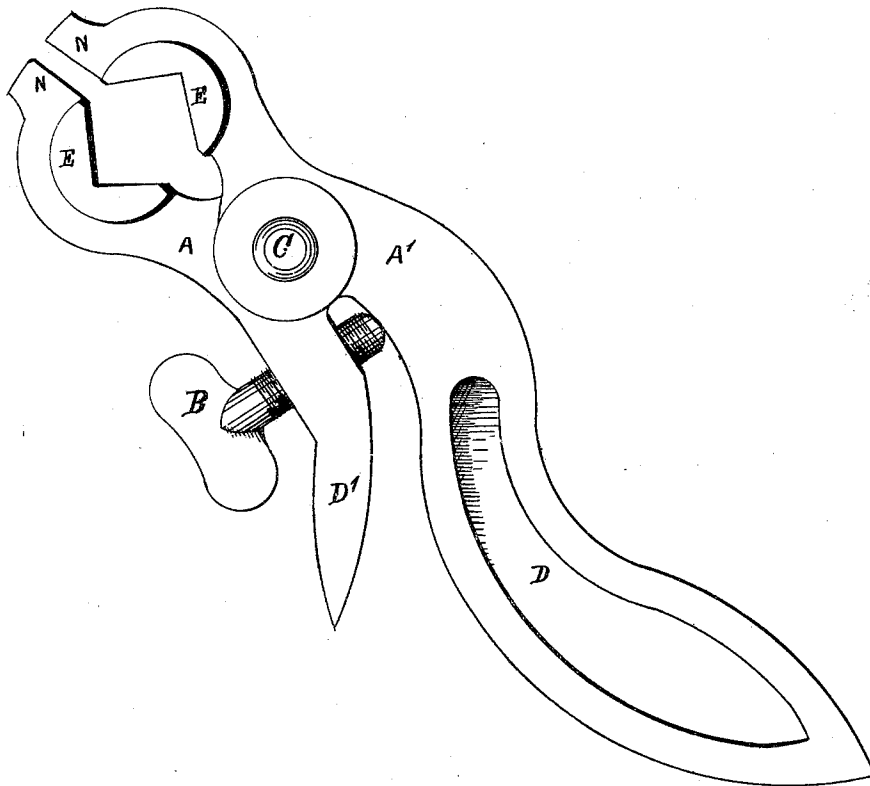


C. FLESCH.

WRENCH.

No. 176,173.

Patented April 18, 1876.



WITNESSES,

*A. C. Pierce*  
*Charles C. Barton*

INVENTOR,

*Charles Flesch*

# UNITED STATES PATENT OFFICE.

CHARLES FLESCHE, OF ROCHESTER, NEW YORK.

## IMPROVEMENT IN WRENCHES.

Specification forming part of Letters Patent No. **176,173**, dated April 18, 1876; application filed July 14, 1875.

*To all whom it may concern:*

Be it known that I, CHARLES FLESCHE, of Rochester, in Monroe county and State of New York, have invented certain new and useful Improvements in Wrenches; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The drawing represents the adjustable wrench complete.

The body of the wrench A A' is composed of two parts, pivoted together at C. An adjusting thumb-screw, B, passes through A below the pivot C, and has a bearing against the part of the body A'. The wrench is furnished with two plain jaws, N N, a handle, D, projecting thumb-piece D', and socket-jaws E E. The plain jaws N N are used for common nuts in the same manner as a flat wrench, the jaws being adjusted to nuts of different sizes by means of the thumb-screw B. These jaws may also be used as a hand-vise, as articles may be held very tightly between them by the force of the set-screw. Projecting from the body of the wrench are the two socket-jaws E E. These are made to project far enough from the body of the wrench to be used upon the nuts

of carriage-wheels, and wherever an ordinary socket-wrench is applicable. The socket-jaws are set to nuts of different sizes by means of the adjusting-screw B, and although the angles of the socket will not always exactly conform to those of the nut, nevertheless it will be perfectly operative, as the nut may be tightly clamped by the force of the screw. The projecting thumb-piece D' is used in connection with handle D for facilitating the adjustment.

It will be seen that the thumb-screw B is serviceable not only for adjustment of the jaws to nuts of different sizes, but also for tightly clamping nuts of various shapes, to hold them firmly while being turned upon the screw.

What I claim as my invention, and desire to secure by Letters Patent, is—

The pivoted adjustable wrench, having jaws N N and E E, provided with handle, combined with back-handed lever and finger-piece D and pressure set-screw, substantially as specified.

CHARLES FLESCHE.

Witnesses:

MERRITT GALLY,  
CHAS. S. BAKER.